

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 13 November 1998 (13.11.98)	
International application No. PCT/US98/03800	Applicant's or agent's file reference C0464-175252
International filing date (day/month/year) 17 March 1998 (17.03.98)	Priority date (day/month/year) 18 March 1997 (18.03.97)
Applicant HASKINS, Charles, R.	

1. The designated Office is hereby notified of its election made:

☒

in the demand filed with the International Preliminary Examining Authority on:

26 September 1998 (26.09.98)

☐

in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐

was not

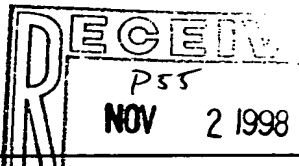
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Ingrid Hours Telephone No.: (41-22) 338.83.38
---	--



To:

GEORGE T. MARCOU
KILPATRICK STOCKTON LLP
700 13TH ST., N.W., SUITE 800
WASHINGTON DC 20005



NOTIFICATION OF RECEIPT
OF DEMAND

(PCT Rule 61.1(b), first sentence
and Administrative Instructions, Section 601)

Date of mailing
(day/month/year)

30 OCT 1998

Applicant's or agent's file reference

C0464-175252

CIT10058-24

IMPORTANT NOTIFICATION

International application No.

PCT/US98/03800

International filing date (day/month/year)

17 MAR 98

Priority date (day/month/year)

18 MAR 97

Applicant

CITIBANK, N.A.

1. The applicant is hereby notified that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application:

26 SEP 1998

2. This date of receipt is:



the actual date of receipt of the demand.



the date on which the proper corrections to the demand were timely received.

3. ☐ This date is **AFTER** the expiration of 19 months from the priority date.

Attention: The election(s) made in the demand does (do) not have the effect of postponing the commencement of the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)). Therefore, the acts for entry into the national phase must be performed within 20 months from the priority date (or later in some Offices) (Article 22).

For details, see Annex B to Form PCT/IB/301 sent by the International Bureau and Volume II of the PCT Applicant's Guide.



This notification confirms the information given in person or by telephone on:

4. Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

Name and mailing address of the IPEA/US

Assistant Commissioner for Patents

Box PCT

Washington, D.C. 20231

Facsimile No.

Attn: IPEA/US

Authorized officer

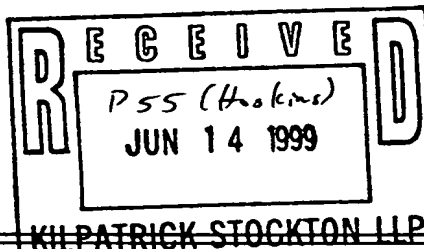
Telephone No.

Catherine Williams
Paralegal Specialist
IAPD - PCT Operations
(703) 305-3677

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: GEORGE T. MARCOU
KILPATRICK STOCKTON LLP
700 13TH ST., N.W., SUITE 800
WASHINGTON, DC 20005



PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing
(day/month/year)

10 JUN 1999

Applicant's or agent's file reference

CITI0058-PCT

IMPORTANT NOTIFICATION

International application No.

PCT/US98/03800

International filing date (day/month/year)

17 MARCH 1998

Priority Date (day/month/year)

18 MARCH 1997

Applicant

CITIBANK, N.A.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

EMANUEL TODD VOELTZ

Telephone No. (703) 305-9714

Joni Hill

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 15 JUN 1999	
WIPO	PCT

Applicant's or agent's file reference CITI0058-PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US98/03800	International filing date (day/month/year) 17 MARCH 1998	Priority date (day/month/year) 18 MARCH 1997
International Patent Classification (IPC) or national classification and IPC IPC(6): G06F 17/60 and US Cl.: 705/35, 36		
Applicant CITIBANK, N.A.		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets.
☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
These annexes consist of a total of 0 sheets.
- This report contains indications relating to the following items:
 - ☒ Basis of the report
 - ☐ Priority
 - ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
 - ☐ Lack of unity of invention
 - ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - ☐ Certain documents cited
 - ☐ Certain defects in the international application
 - ☐ Certain observations on the international application

Date of submission of the demand 26 SEPTEMBER 1998	Date of completion of this report 07 DECEMBER 1998
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer EMANUEL TODD VOELTZ <i>Joni Hill</i>
Facsimile No. (703) 305-3230	Telephone No. (703) 305-9714

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/03800

I. Basis of the report

1. This report has been drawn on the basis of *(Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):*

- ☒ the international application as originally filed.
- ☒ the description, pages 1-51 , as originally filed.
pages NONE , filed with the demand.
pages NONE , filed with the letter of _____
pages _____ , filed with the letter of _____
- ☒ the claims, Nos. 1-46 , as originally filed.
Nos. NONE , as amended under Article 19.
Nos. NONE , filed with the demand.
Nos. NONE , filed with the letter of _____
Nos. _____ , filed with the letter of _____
- ☒ the drawings, sheets/fig 1-30 , as originally filed.
sheets/fig NONE , filed with the demand.
sheets/fig NONE , filed with the letter of _____
sheets/fig _____ , filed with the letter of _____

2. The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE
- ☒ the claims, Nos. NONE
- ☒ the drawings, sheets/fig NONE

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the ~~Supplemental Box~~ Additional observations below (Rule 70.2(c)).

4. Additional observations, if necessary:

NONE

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/03800

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. STATEMENT**

Novelty (N)	Claims <u>1-46</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-46</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-46</u>	YES
	Claims <u>NONE</u>	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-6 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for modeling an investment fund mix to produce a projected guaranteed accumulation investment amount for a user over a predetermined time period equal to at least a preselected guaranteed accumulated investment amount selected by the user comprising designating funds for investment to produce a fund mix, comparing a diversification guideline to the fund mix, completing an information file for the user, determining a pattern of investments to meet the preselected guaranteed amount, applying the diversification guideline to the information file to determine whether the information file meets the guideline, automatically calculating the projected guaranteed amount and comparing the projected guaranteed amount to the preselected guaranteed accumulated investment amount.

Claims 6-8 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for identifying a fund mix producing a projected accumulation investment amount exceeding a preselected amount for a user comprising inputting a time period for producing the maximum accumulation investment amount, inputting a probability of the projected accumulation investment amount exceeding the preselected amount, automatically searching predetermined probability distributions for potential funds for the fund mix, automatically listing a plurality of potential funds by projected accumulation investment amount produced using the predetermined probability distributions for the potential funds, comparing a diversification guideline to the plurality of potential funds and automatically combining a plurality of potential funds meeting the diversification guideline to produce an optimum fund mix that will produce a projected accumulation investment amount exceeding the preselected amount.

Claims 9-23, 41-43, and 45-46 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for projecting an accumulated investment amount for a portfolio having a plurality of funds over a preselected (Continued on Supplemental Sheet.)

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

time period for a user comprising inputting initial and periodic contributions and fund allocations for the plurality of funds, completing a projection method parameters file in which various parameters are identified including parameters set by the user based upon investment goals selected by the user and automatically performing a projection of the accumulated investment amount for the portfolio having a plurality of funds.

Claims 24-26 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for modeling a fixed retirement income amount for a user over a predetermined time period after a preselected time delay period comprising inputting an issue commission of zero percent, a best estimate for treasury security yields and a plurality of additional basis point spreads, automatically applying an annuity calculator to produce a current projected fixed retirement income amount and automatically repeating steps a and b for a range of treasury security yields and for each of the plurality of additional basis point spreads.

Claims 27-29 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for pricing fund charges for an investment fund equal to at least a preselected guaranteed accumulation amount investment amount over a predetermined time period selected by a user comprising creating a plurality of information sets corresponding to a plurality of potential users, automatically projecting a plurality of monthly charges for producing a plurality of projected guaranteed accumulation investment amounts for each of the plurality of information sets, automatically deducting and accumulating the plurality of monthly charges, for each of the plurality of projected guaranteed accumulation investment amounts, automatically adding the accumulated monthly charge and subtracting the projected guaranteed accumulation investment amount to produce a probability distribution providing a range of net values and selecting one from the plurality of monthly charges that produces zero value for the probability and distribution produced.

Claims 30-31 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for processing a selected guaranteed accumulation investment amount for a user over a predetermined period of time equal to at least a preselected guaranteed accumulated investment amount selected by the user comprising inputting a plurality of funds each of the plurality of funds having a value, automatically generating a fund guarantee statement, automatically generating a probability distribution of projected accumulation amounts, automatically deducting a charge on a periodic basis and automatically generating an electronic fund report.

Claims 32-34 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for combining electronic fund reports for a client for a plurality of funds and a plurality of projections for the plurality of funds where each of the funds has an amount comprising automatically determining whether all of the funds have reported, automatically matching a plurality of transactions to the plurality of funds, determining whether diversification guidelines are met for the plurality of funds and plurality of transactions automatically generating withdrawal and deposit instructions for the plurality of funds and automatically determining whether the total contributions exceed a predetermined amount.

Claims 35-40 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for processing for a user a guaranteed accumulation investment amount for a plurality of variable annuities with a fixed retirement income guaranteed amount having a maturation date comprising the steps of inputting user specific data, automatically generating a proposal for a guaranteed minimum benefit rider, automatically generating a contract data page, automatically issuing a contract with a guaranteed minimum income benefit rider, automatically deducting a daily cost charge, receiving transactions for the account, comparing a variable annuity diversification guideline to the received transactions for the account, automatically generating withdrawal and deposit instructions for the received transactions, automatically determining whether the total contributions exceed a predetermined amount, automatically determining the guaranteed accumulation investment amount and automatically periodically transmitting information about the account to the user.

Claim 44 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest A method for determining a reserve for an investment fund mix producing a guaranteed accumulation investment amount for a plurality of users over a predetermined time period, where the investment fund mix includes a plurality of selected funds, each of the plurality of selected funds having a value comprising automatically identifying for each of a plurality of users each of the plurality of selected funds for which the value of the selected funds for which the value of the selected fund is less than the guaranteed accumulation investment amount, automatically summing the difference between each of the plurality of selected funds for which the value of the selected fund is less than the guaranteed accumulation investment amount for each of the plurality of users to produce the total difference and automatically increasing the total difference by a reserve factor.

----- NEW CITATIONS -----

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/03800

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 11

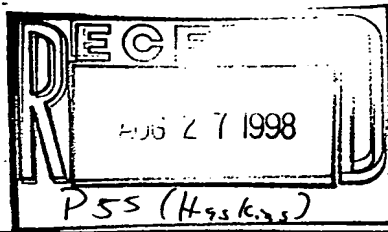
NONE

PATENT COOPERATION TREATY

Atty: *GTm*
 Docket/Matter No: *CITD053*
 Action: *Comm. - Abs.*
 Due: *9-24-98*
 C/U: *9-17*
 Atty: *GTm*
 Docket/Matter No: *CIT20*
 Action: *Rpt. to S. & Rpt.*
 Due: *10-24*
 C/U: *10-17*

From the INTERNATIONAL SEARCHING AUTHORITY

To: GEORGE T. MARCOU
 KILPATRICK STOCKTON LLP
 700 13TH ST., N.W., SUITE 800
 WASHINGTON, DC 20005



PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference C0464-175252	Date of Mailing (day/month/year) 2 4 AUG 1998
International application No. PCT/US98/03800	International filing date (day/month/year) 17 MARCH 1998
Applicant CITIBANK, N.A.	

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 *bis* 1 and 90 *bis* 3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/US
 Commissioner of Patents and Trademarks
 Box PCT
 Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

GAIL HAYES

Telephone No. (703) 305-9711

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference C0464-175252	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US98/03800	International filing date (day/month/year) 17 MARCH 1998	(Earliest) Priority Date 18 MARCH 1997
Applicant CITIBANK, N.A.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (See Box I).
2. ☐ Unity of invention is lacking (See Box II).
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing

☐

filed with the international application.

☐

furnished by the applicant separately from the international application,

☐

but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐

transcribed by this Authority.

4. With regard to the title, ☐ the text is approved as submitted by the applicant.
☒ the text has been established by this Authority to read as follows:

METHOD AND SYSTEM FOR ESTABLISHING, MONITORING, AND RESERVING
GUARANTEED MINIMUM VALUE RETURN ON SELECT INVESTMENTS

5. With regard to the abstract,

☐

the text is approved as submitted by the applicant.

☒

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is:

Figure No. 2

☐

as suggested by the applicant.

☐

because the applicant failed to suggest a figure.

☒

because this figure better characterizes the invention.

☐

None of the figures.

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

The present invention provides a method and system for assuring a minimal guaranteed return on long-term investments, such as mutual funds or variable annuities. The invention includes a method and system for pricing, administration, customer presentation, and reserving relating to a guaranteed minimum return assurance (S11). Specific select funds (S1) are designated for investment. If the select funds (S1) meet diversification guidelines (S2), the select funds (S1) are analyzed to determine a pattern of investments which achieve the guaranteed minimum return assurance (S11). In addition, the present invention includes a method and system for allowing individual investors to control and easily change their typical asset allocation strategies and features that allow the tracking of payments, use of reserving techniques, and optimizing investment diversification.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US98/03800

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G06F 17/60

US CL : 705/35, 36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 235/378; 705/35, 36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS (((investment# (10a) (monito? or manag? or predic? or track?)) (p) (data processing or computer or automated)) and (select? (5a) investment#)), Dialog (enclosed)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 5,644,727 A (ATKINS) 01 July 1997, abstract, col. 7, lines 20-25, lines 33-39, lines 42-45, col. 8, lines 11-16, col. 10, lines 51-55, col. 13, lines 25-29, col. 14, lines 1-3, col. 30, lines 1-5, lines 37-40, col. 36, lines 34-42, col. 38, lines 56-67, col. 40, lines 9-40, col. 41, lines 33-47, col. 44, lines 38-50, col. 46, lines 11-18, col. 48, lines 45-54, col. 49, lines 34-58.	1-46
A	US 5,132,899 A (FOX) 21 July 1992, see abstract.	1-46
A	US 5,126,936 A (CHAMPION et al) 30 June 1992, see abstract.	1-46
A	US 5,214,579 A (WOLFBERG et al) 25 May 1993, see abstract.	1-46

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

24 JUNE 1998

Date of mailing of the international search report

24 AUG 1998

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

GAIL HAYES

Telephone No. (703) 305-9711

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US98/03800

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 5,761,442 A (BARR et al) 02 June 1998, see abstract.	1-46
A	TYSON, Eric. These programs can help you pick the best funds to squirrel away. Money. 19 August 1996, Vol. 25, No. 8, page 19.	1-46
A	Asset Allocation programs: A partnership between operations and investments. ABA's Financial Services Industry Trends. January/February 1996, Vol. 54, pages 15-18.	1-46
A	Investing through mutual funds: A smart way to allocate assets and diversify. Financial Independence. January/February 1994, page 6.	1-46